

WHAT IS CLAIMED IS:

1. A locking device for a handheld radiotelephone that attaches and detaches a battery pack to and from the radiotelephone comprising:
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an elastic locker having a first end fixed on the radiotelephone and a second end selectively locked in a locking hole formed in the battery pack for simultaneously performing an elastic operation and a locking operation;
10 and

a pusher installed on the elastic locker, for pushing the elastic locker.

2. The locking device of claim 1, wherein the elastic locker is formed in a "Z" shape, and includes a fixed terminal, which is mountedly fixed to a mounting groove of a lower casing frame of the radiotelephone, and a free terminal, which is retreated by a predetermined interval toward at least one of a lower side and a rear side around the fixed terminal according to a pushing operation of the pusher, that are integrally formed.
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3. The locking device of claim 2, wherein the free terminal of the elastic locker has an end portion formed in

a hook shape that is inwardly bent a predetermined number of times to correspond to a shape of the locking hole of the battery pack.

5 4. The locking device of claim 2, wherein a length of the free terminal is greater than a length of the fixed terminal.

 5. The locking device of claim 1, wherein the
10 elastic locker is made of metal.

 6. The locking device of claim 2, wherein the elastic locker is made of metal.

15 7. The locking device of claim 3, wherein the elastic locker is made of metal.

 8. The locking device of claim 1, wherein the pusher comprises at least two guide ribs of a predetermined
20 length, each of which include a hook formed on an end portion of a lower side thereof, the two guide ribs being coupled in a snap-fit structure to a penetration hole around a mounting groove of the elastic locker formed in a

casing frame of the radiotelephone, thereby enabling the pusher to be movable up and down.

9. A handheld radiotelephone comprising:

5 a battery pack for power supply means attachably and detachably equipped on a rear surface of a main body; and

a locking device for enabling the battery pack to be attached and detached,

wherein the locking device operates in a
10 perpendicular direction with a length direction of the radiotelephone, and the battery pack is attached and detached while forming an arc around an end of the radiotelephone.

15 10. The handheld radiotelephone of claim 9, wherein the locking device comprises:

an elastic locker having a predetermined elasticity, of which a first end is fixed to a predetermined position of a lower casing frame of the radiotelephone and a second
20 end is selectively locked in a locking hole; and

a pusher for pushing the elastic locker.

11. The handheld radiotelephone of claim 10, wherein the elastic locker is formed in a "Z" shape, and includes a

fixed terminal, which is mountedly fixed to a mounting groove of a lower casing frame of the radiotelephone, and a free terminal, which is retreated by a predetermined interval toward at least one of a lower side and a rear side around the fixed terminal according to a pushing operation of the pusher, that are integrally formed.

12. The handheld radiotelephone of claim 11, wherein the free terminal of the elastic locker has an end portion formed in a hook shape that is inwardly bent a predetermined number of times to correspond to a shape of the locking hole of the battery pack.

13. The handheld radiotelephone of claim 11, wherein a length of the free terminal is greater than a length of the fixed terminal.

14. The handheld radiotelephone of claim 10, wherein the elastic locker is made of metal.

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15. The handheld radiotelephone of claim 11, wherein the elastic locker is made of metal.

16. The handheld radiotelephone of claim 12, wherein the elastic locker is made of metal.

17. The handheld radiotelephone of claim 10, wherein
5 the pusher comprises at least two guide ribs of a predetermined length, each of which having a hook formed on an end portion of a lower side thereof, the at least two guide ribs being coupled in a snap-fit structure to a penetration hole around a mounting groove of the elastic
10 locker formed in the casing frame of the radiotelephone, thereby enabling the pusher to be movable up and down.